

BRITISH TELECOMMUNICATIONS ENGINEERING

INDEX

VOLUME 16 (April 1997-January 1998)

including

TELECOMMUNICATIONS ENGINEERING: A Structured Information Programme Issues 24–27

(Units from the Structured Information Programme are indicated by 'S' followed by the Chapter and Unit numbers.)

A		C	
Access Network Infrastructure, The Underground and		Cables in BT's Underground Network, The Road to	
Copper	296	240-Fibre	8
Access Network, OTIAN®—Optical Telecommunications		CADEDDU, ROBERTO; HILL, GOFF; and FERNANDEZ, LARS.	6.70
Infrastructure for the	201	Building the Road to Optical Networks	
Access Signalling on Concert VNS, Customer	66	CAMERON, IAN; and PATRICK, DAVID. BT WebWorld™—Web	
Adding Value to a Groupware Service: BT Network for Lotus			27
Notes	185		17
Advanced Personal Mobility Services	100	Cardiff Empire Exchange, Closure of	33
Africa, Provision of a VSAT Network for Barclays Bank in	146	CATCHPOLE, ANDREW; and DAVIES, SIMON. VideoPBX Computer	υυ
Ahmad, Saf; and Guantlett, Ian. The Road to 240-Fibre Cable		Telephony Integrated Applications	9
in BT's Underground Network	84		23
All-Optical Networks	S9.9	Change Within BT's Operational Support Systems,	40.
Angrish, Sanjiv. Customer Access Signalling on Concert VNS	66	Managing	10
Applications, VideoPBX Computer Telephony Integrated	93		13
ARDELT, MAXIMILLIAN. Exploiting Fixed-Mobile Integration in	90	CLELAND, DAVE; JOHNSON, BRYAN; WELSBY, KEVIN; and	
Germany	89	LAWRANCE, KELVIN. Games People Play—The Wireplay	0.77
Are You Alright?: Telecommunications and Humanitarian	09		27
Assistance	105	CLEMITSON, MICHAEL. Closure of Cardiff Empire Exchange	33
Ashby, Phil; Duffy, Martin; Welsby, Kevin; and Millar,	165		33
William A High Donforman Material for Coming		COCHRANE, PETER. Banking a Bit at a Time	19
WILLIAM. A High-Performance Network for Gaming—	201	Communication Services, An Evolutionary Strategy for New	4
Wireplay,	284		31
Audio for the Next Millennium, Beyond the Handset:	306	Communication, A Computer Vision System for Natural	4
Audit within BTNI, From Regulatory Requirement to		Communications Network, Passive Picocell—A Future	
Business Excellence: The Role of the Internal	154	Integrated Wireless	10
Authoring and Automating Content with its Associated	2012	Communications Using Quantum Physics, Quantum	
Metadata for Multimedia On-Line Services	56	Cryptography: Secure	20'
		Community Networks—Local Information Infrastructure	
В		for the Next Millennium	22
Baker, Steve; McKay, Rachael; and Selly, Clive. SMART-		Competitive European Environment, Perspectives of	
Improving Customer Service	135	Universal Service within a	23
Banking a Bit at a Time	197	Computer Telephony Integrated Applications, VideoPBX	9:
Barclays Bank in Africa, Provision of a VSAT Network for	146	Computer Vision System for Natural Communication, A	4
Beyond the Handset: Audio for the Next Millennium	306	Concert VNS, Customer Access Signalling on	6
BIGGS, DAVE; and ELLIOTT, DAVID. Provision of a VSAT		Content with its Associated Metadata for Multimedia	
Network for Barclays Bank in Africa	146	On-Line Services, Authoring and Automating	56
BILLINGHURST, MARK; BOWSKILL, JERRY; and MORPHETT, JASON.		Contract Law—Telecommunications Contracts	16.
A Wearable Communication Space	311	Convergence and the Future of Telephony, Whither	
Book Reviews 72, 169, 256	6, 345	Speech?	39
Bowskill, Jerry; Morphett, Jason; and Billinghurst, Mark.		COOPER, DAVID; SCOBIE, COLIN; and DAWSON-MADDOCKS, ANDREW.	0.
A Wearable Communication Space	311	Operations and Maintenance Centre: Delivering	
BT WebWorld™—Web Hosting for Every Business Need	273	Network Services	18
BTNI, From Regulatory Requirement to Business		COPE, MICK. Creating the Corporate Soloist: Who plays the	10
Excellence: The Role of the Internal Audit within	154	Stradivarius?	324
Building the Road to Optical Networks	2	COPE, MICK. Organisational Learning	
Business, Excellence: The Role of the Internal Audit within	4		296
BTNI, From Regulatory Requirement to	154	CRAMPSEY, DAVID. External Engineering, Guest Editorial	82
Business Strategy and Planning	S4.7		$\frac{82}{324}$
BUTTERY, STEVE; MERRETT, BOB; POTE, ADRIAN; and SAGO, ANDY.		Cross, Brian; and Golfin, Nigel. Adding Value to a	04
Local Area Mobility	290		185
·			TOF

Cryptography: Secure Communications Using Quantum		HOLLIER, MIKE; and RIMELL, ANDREW. Beyond the Handset:	000
Physics, Quantum	207	Audio for the Next Millennium	306
Customer Access Signalling on Concert VNS	66	Hosting for Every Business Need, BT WebWorld™—Web	273
Customer Aspects, Quality of Service:	S4.8	Humanitarian Assistance, Are You Alright?: Tele-	165
Customer Service, SMART—Improving	135	communications and	100
n		1	
DA RIOS, MAZZ. The Underground and Copper Access Network		Information Infrastructure for the Next Millennium,	
Infrastructure	296	Community Networks-Local	225
DAVIES, SIMON; and CATCHPOLE, ANDREW. VideoPBX Computer		Information Terrorists, Fighting the	300
Telephony Integrated Applications	93	Infrastructure for the Access Network, OTIAN®—Optical	
DAWSON-MADDOCKS, ANDREW; COOPER, DAVID; and SCOBIE, COLIN		Telecommunications	201
Operations and Maintenance Centre: Delivering		Inhabited TV, The Mirror-Reflections on	29
Network Services	18	Innovation 97	161
Digital Network (Rev.), The Integrated Services	S9.4	Integrated Services Digital Network (Rev.), The	S9.4
Disabled—Friend or Foe?, Telecommunications and the	242	Integration in Germany, Exploiting Fixed-Mobile	89
DUFFY, MARTIN; WELSBY, KEVIN; MILLAR, WILLIAM; and ASHBY,		Interacting Demands for Multimedia Services	318 177
PHIL. A High-Performance Network for Gaming—	284	Internet and Multimedia Services, Guest Editorial	158
Wireplay	204	Investors in People	100
E		,ī	
Educational Services for Schools in the New Millennium	219	JOHNSON, BRYAN; WELSBY, KEVIN; LAWRANCE, KELVIN; and	
ELLIOTT, DAVID; and BIGGS, DAVE. Provision of a VSAT	210	CLELAND, DAVE. Games People Play—The Wireplay	
Network for Barclays Bank in Africa	146	Experience	279
Empire Exchange, Closure of Cardiff	337	Joint Venture, Switzerland-Life in a New BT	266
End-to-End Performance, Networks—		JORDAN, HILARY. Contract Law-Telecommunications	
European Environment, Perspectives of Universal Service		Contracts	S16.7
within a Competitive	237	Journal Awards for 1996/7	254
European Telecommunications Congress, 36th	214		
EVANS, MIKE. Managing Change Within BT's Operational	400	K H A F 1 C	
Support Systems	130	KARTTUNEN, JARI; and SUNDQUIST, HEIKKI. An Evolutionary	49
Evolution of the Telephone, Whither Speech?—Fantasy	110	Strategy for New Communication Services	49
and the	118 49	Kemos, Achilleas. Perspectives of Universal Service within a Competitive European Environment	237
Evolutionary Strategy for New Communication Services, An Exploiting Fixed-Mobile Integration in Germany	89	a Competitive European Environment	201
External Engineering, Guest Editorial	82	T.	
External Engineering, Quest Editorial	02	Law-Telecommunications Contracts, Contract	S16.7
F		LAWRANCE, KELVIN; CLELAND, DAVE; JOHNSON, BRYAN; and	010
FERNANDEZ, LARS; CADEDDU, ROBERTO; and HILL, GOFF.		Welsey, Kevin. Games People Play-The Wireplay	
Building the Road to Optical Networks	2	Experience	279
Fighting the Information Terrorists	300	Learning, Organisational	S16.6
Fixed-Mobile Integration in Germany, Exploiting	89	Leveridge, Phil; and Webster, Ian. CampusWorld—Two	
Foster, Paul; Walker, Royston; Gepp, Richard; Mossman,		Years On	178
Sally; Searby, Stephen; Salmon, John; and Taylor, Janie.		LEWIS, ALWYN; and WESTALL, FRED. Whither Speech?	20
Authoring and Automating Content with its Associated	***	Convergence and the Future of Telephony	39
Metadata for Multimedia On-Line Services	56	Lewis, Alwyn; and Westall, Fred. Whither Speech?—	110
From Regulatory Requirement to Business Excellence: The Role of the Internal Audit within BTNI	154	Fantasy and the Evolution of the Telephone Lewis, Alwyn; and Westall; Fred. Whither Speech?—	118
Future of Telephony, Whither Speech? Convergence and the	39	Bakelite Mindsets and the Urge to be Three	191
ruture of Telephony, winther Speech: Convergence and the	00	Listening Machines	124
G		Local Area Mobility	290
Games People Play-The Wireplay Experience	279	Local Information Infrastructure for the Next Millennium,	
GAVIN, RUPERT. Internet and Multimedia Services, Guest		Community Networks—	225
Editorial	177	Lotus Notes, Adding Value to a Groupware Service: BT	
Gepp, Richard; Mossman, Sally; Searby, Stephen; Salmon,		Network for	185
JOHN; TAYLOR, JANIE; FOSTER, PAUL; and WALKER, ROYSTON.		Luck, Michael. Mission Accomplished	250
Authoring and Automating Content with its Associated	= 0	N/	
Metadata for Multimedia On-Line Services	56	M M. A. Camantan Vinian	
Germany, Exploiting Fixed-Mobile Integration in	89	Machin, David; and Sheppard, Phil. A Computer Vision System for Natural Communication	45
GIFFORD, MAURICE; McCartney, David; and Seal, Chris. Iris Recognition for User Validation	113	MacKenzie, Fiona. The Challenge of Universal Personal	40
GOLFIN, NIGEL; and Cross, Brian. Adding Value to a	110	Communications	232
Groupware Service: BT Network for Lotus Notes	185	MacKenzie, Fiona; and Vargas, Patricia. 36th European	202
GREENOP, DAVID; and WILLIAMS, DOUG. Community	100	Telecommunications Congress	214
Networks—Local Information Infrastructure for the		Maintenance Centre: Delivering Network Services,	
Next Millennium	225	Operations and	18
Griffiths, John. The Integrated Services Digital		Management, Service Surround and Service	S2.4
Network (Rev.)	S9.4	Managing Change Within BT's Operational Support	
Groupware Service: BT Network for Lotus Notes, Adding		Systems	130
Value to a	185	Martin, Paul; Harris, Steve; and Musson, Chris. Advanced	400
GUANTLETT, IAN; and AHMAD, SAF. The Road to 240-Fibre	0.4	Personal Mobility Services	100
Cables in BT's Underground Network	84	MATTHEWS, ANN. Interacting Demands for Multimedia Services	318
TT		McCartney, David; Seal., Chris; and Gifford, Maurice. Iris Recognition for User Validation	113
Handset: Audio for the Next Millennium, Beyond the	306	McKay, Rachael; Selly, Clive; and Baker, Steve. SMART—	110
HARRIS, LYNNE. Networks—End-to-End Performance		Improving Customer Service	135
HARRIS, STEVE; MUSSON, CHRIS; and MARTIN, PAUL. Advanced	- Company of the Comp	McMillan, Neil. World Trade Organisation Talks on Basic	
Personal Mobility Services	100	Telecommunications	13
High-Performance Network for Gaming-Wireplay, A	284	Meegan, Sarah; and Simpson, Russell. From Regulatory	
HILL, GOFF; FERNANDEZ, LARS; and CADEDDU, ROBERTO.		Requirement to Business Excellence: The Role of the	
Building the Road to Ontical Networks	9		154

MERRETT, BOB; POTE, ADRIAN; SAGO, ANDY; and BUTTERY, STEVE.		Personal Mobility Services, Advanced	100
Local Area Mobility Metadata for Multimedia On-Line Services, Authoring and Automating	290	Personal Communications, The Challenge of Universal	232
Content with its Associated	56	Perspectives of Universal Service within a Competitive European Environment	237
MIDWINTER, JOHN. All-Optical Networks	S9.9	PHOENIX, SIMON J. D.; and REGNAULT, JOHN. Fighting the	231
MILLAR, WILLIAM; ASHBY, PHIL; DUFFY, MARTIN; and WELSBY,		Information Terrorists	300
Kevin. A High-Performance Network for Gaming— Wireplay	284	PHOENIX, SIMON; and TOWNSEND, PAUL. Quantum	
MILLER, JOHN. OTIAN®—Optical Telecommunications	204	Cryptography: Secure Communications Using Quantum Physics	207
Infrastructure for the Access Network	201	Picocell—A Future Integrated Wireless Communications	201
Mirror-Reflections on Inhabited TV, The	29	Network, Passive	106
Mission Accomplished	$\frac{250}{100}$	Planning, Business Strategy and	S4.7
Mobility, Local Area	290	Pote, Adrian; Sago, Andy; Buttery, Steve; and Merrett, Bob. Local Area Mobility	290
Moodie, David; and Wake, David. Passive Picocell—A Future		Powell, Lucy. Innovation 97	161
Integrated Wireless Communications Network	106	Provision of a VSAT Network for Barclays Bank in Africa	146
Morgan, Keith. Educational Services for Schools in the New Millennium	219	0	
Morphett, Jason; Billinghurst, Mark; and Bowskill, Jerry.	213	Quality of Service: Customer Aspects	S4.8
Wearable Communication Space, A	311	Quality of Service: Service Provider Aspects	S4.9
Mossman, Sally; Searby, Stephen; Salmon, John; Taylor, Janie; Foster, Paul; Walker, Royston; and Gepp,		Quantum Cryptography: Secure Communications Using	205
RICHARD. Authoring and Automating Content with its		Quantum Physics	207
Associated Metadata for Multimedia On-Line Services	56	\mathbf{R}	
MULLEE, TONY. Service Surround and Service Management	S2.4	Recognition for User Validation, Iris	113
Multimedia On-Line Services, Authoring and Automating Content with its Associated Metadata for	56	REGNAULT, JOHN; and PHOENIX, SIMON J. D. Fighting the Information Terrorists	200
Multimedia Services, Interacting Demands for	318	Regulatory Requirement to Business Excellence: The Role	300
Multimedia Services, Internet and, Guest Editorial	177	of the Internal Audit within BTNI, From	154
Musenet	70	RIMELL, ANDREW; and HOLLIER, MIKE. Beyond the Handset:	
Musson, Chris; Martin, Paul; and Harris, Steve. Advanced Personal Mobility Services	100	Audio for the Next Millennium	306
Tersonal Mobility Services	100	Road to 240-Fibre Cables in BT's Underground Network, The	124 84
N			01
Natural Communication, A Computer Vision System for	45	S Annua Parrana Cara Marana Parrana I Parrana I Parrana I	
Network for Gaming—Wireplay, A High-Performance Network Infrastructure, The Underground and Copper	284	Sago, Andy; Buttery, Steve; Merrett, Bob; and Pote, Adrian. Local Area Mobility	290
Access	296	Salmon, John; Taylor, Janie; Foster, Paul; Walker, Royston;	200
Network, OTIAN®—Optical Telecommunications	001	GEPP, RICHARD; MOSSMAN, SALLY; and SEARBY, STEPHEN.	
Infrastructure for the Access Network, Passive Picocell—A Future Integrated Wireless	201	Authoring and Automating Content with its Associated Metadata for Multimedia On-Line Services	56
Communications	106	Schools in the New Millennium, Educational Services for	219
Network Services, Operations and Maintenance Centre:		Scobie, Colin; Dawson-Maddocks, Andrew; and Cooper,	
Delivering	18	DAVID. Operations and Maintenance Centre: Delivering	
Network, The Road to 240-Fibre Cables in BT's Underground Network (Rev.), The Integrated Services Digital	84 S9.4	Network Services	18
Networks, All-Optical		Recognition for User Validation	113
Networks, Building the Road to Optical	2	Searby, Stephen; Salmon, John; Taylor, Janie; Foster,	
Networks - End-to-End Performance	S13.5	Paul; Walker, Royston; Gepp, Richard; and Mossman,	
Networks—Local Information Infrastructure for the Next Millennium, Community	225	Sally. Authoring and Automating Content with its Associated Metadata for Multimedia On-Line Services	56
New Challenges, New Opportunities, Guest Editorial	265	Secure Communications Using Quantum Physics, Quantum	50
Nicholas, Sue. Musenet	70	Cryptography:	207
0		SELLY, CLIVE; BAKER, STEVE; and McKAY, RACHAEL. SMART—	195
OLIVER, PAUL. Business Strategy and Planning	S4.7	Improving Customer Service Service Management, Service Surround and	135 S2.4
OODAN, ANTONY. Quality of Service: Customer Aspects	S4.8	Service Provider Aspects, Quality of Service:	S4.9
Oodan, Antony. Quality of Service: Service Provider Aspects	S4.9	Service Surround and Service Management	S2.4
On-Line Services, Authoring and Automating Content with its Associated Metadata for Multimedia	56	Service: Customer Aspects, Quality of	S4.8 S4.9
Operational Support Systems, Managing Change Within	50	Services, Advanced Personal Mobility	100
BT's	130	Services Digital Network (Rev.), The Integrated	S9.4
Operations and Maintenance Centre: Delivering Network	10	Sheppard, Phil; and Machin, David. Computer Vision System	
ServicesOptical Horizons, Guest Editorial	18 1	for Natural Communication, A	45 66
Optical Networks, All-		SIMPSON, RUSSELL; and MEEGAN, SARAH. From Regulatory	00
Optical Networks, Building the Road to	2	Requirement to Business Excellence: The Role of the	
Optical Telecommunications Infrastructure for the Access	001	Internal Audit within BTNI	154
Network, OTIAN®—	201 S16.6	SMART—Improving Customer Service	135 1
OTIAN®—Optical Telecommunications Infrastructure for	510.0	Soloist: Who plays the Stradivarius?, Creating the Corporate	324
the Access Network	201	Speech? Convergence and the Future of Telephony, Whither	39
P		Speech?—Fantasy and the Evolution of the Telephone,	110
Passive Picocell—A Future Integrated Wireless		Whither	118
Communications Network	106	Whither	191
Patrick, David; and Cameron, Ian. BT WebWorld™—Web	0.50	Spiegelhalter, Brian. New Challenges, New Opportunities,	
Hosting for Every Business Need	273 5 344	Guest Editorial	265
People, Investors in	158	Stradivarius?, Creating the Corporate Soloist: Who plays the	324
Performance, Networks—End-to-End	S13.5	Strategy and Planning, Business	S4.7

Sundquist, Heikki; and Karttunen, Jari. Evolutionary	49	VideoPBX Computer Telephony Integrated Applications Vision System for Natural Communication, A Computer	93 45
Strategy for New Communication Services, An Support Systems, Managing Change Within BT's	40	VNS. Customer Access Signalling on Concert	66
Operational	130	VSAT Network for Barclays Bank in Africa, Provision of a	146
Switzerland—Life in a New BT Joint Venture	266	7,52,2,1,0011,0012,001	
OWIDERIAN DI COMP COMP COMP		W	
T		WAKE, DAVID; AND MOODIE, DAVID. Passive Picocell-A Future	
TAYLOR, JANIE; FOSTER, PAUL; WALKER, ROYSTON; GEPP, RICHARD;		Integrated Wireless Communications Network	106
Mossman, Sally; Searby, Stephen; and Salmon, John.		Walker, Graham. The Mirror—Reflections on Inhabited TV.	29
Authoring and Automating Content with its Associated		Walker, Royston; Gepp, Richard; Mossman, Sally; Searby,	
Metadata for Multimedia On-Line Services	56	STEPHEN; SALMON, JOHN; TAYLOR, JANIE; and FOSTER, PAUL.	
Telecom Focus 75, 172, 257	, 348	Authoring and Automating Content with its Associated	
Telecommunications and Humanitarian Assistance, Are You		Metadata for Multimedia On-Line Services	56
Alright?:	165	Wearable Communication Space, A	311
Telecommunications and the Disabled-Friend or Foe?	242	Web Hosting for Every Business Need, BT WebWorld™	273
Telecommunications Congress, 36th European	214	Webster, Ian; and Leveridge, Phil. CampusWorld—Two	4.70
Telecommunications Contracts, Contract Law	316.7	Years On	178
Telecommunications Infrastructure for the Access Network,	201	Webster, Mike. Investors in People	$\frac{158}{273}$
OTIAN®—Optical	201	WebWorld™—Web Hosting for Every Business Need, BT	210
Telecommunications, World Trade Organisation Talks on	13	Welsby, Kevin; Lawrance, Kelvin; Cleland, Dave; and Johnson, Bryan. Games People Play—The Wireplay	
Basic	10	Experience	279
Telephone, Whither Speech?—Fantasy and the Evolution of the	118	Welsby, Kevin; Millar, William; Ashby, Phil; and Duffy,	210
Telephony Integrated Applications, VideoPBX Computer	93	MARTIN. A High-Performance Network for Gaming—	
Telephony, Whither Speech? Convergence and the	56	Wireplay	284
Future of	39	Westall, Fred; and Lewis, Alwyn. Whither Speech?	
36th European Telecommunications Congress	214	Convergence and the Future of Telephony	39
Tomlinson, Paul. Telecommunications and the Disabled—		Westall, Fred; and Lewis, Alwyn. Whither Speech?—	
Friend or Foe?	242	Fantasy and the Evolution of the Telephone	118
TOWNSEND, PAUL; and PHOENIX, SIMON. Quantum Cryptography:		WESTALL, FRED; and LEWIS, ALWYN. Whither Speech? - Bakelite	
Secure Communications Using Quantum Physics	207	Mindsets and the Urge to be Three	191
Trade Organisation Talks on Basic Telecommunications,		Whither Speech?—Convergence and the Future of Telephony	39
World	13	Whither Speech?—Fantasy and the Evolution of the	
TRANTOR, R. S. MURRAY. Switzerland—Life in a New BT Joint		Telephone	118
Venture	266	Whither Speech?—Bakelite Mindsets and the Urge to be	101
TV, The Mirror—Reflections on Inhabited	29	Three	191
san.		WILLIAMS, DOUG; and GREENOP, DAVID. Community Networks— Local Information Infrastructure for the Next	1
U	296	Millennium	225
Underground and Copper Access Network Infrastructure, The	296 84	Wireless Communications Network, Passive Picocell—A	220
Universal Personal Communications, The Challenge of	232	Future Integrated	106
Universal Service within a Competitive European	202	Wireplay Experience, Games People Play—The	279
Environment, Perspectives of	237	Wireplay, A High-Performance Network for Gaming—	284
Environment, 1 erspectives of	401	World Trade Organisation Talks on Basic	201
V		Telecommunications	13
VARGAS, PATRICIA and MACKENZIE, FIONA. 36th European Tele-			
communications Congress	214		

VOLUME 16

Part 1 (Apr. 1997)	рр. 1–80
Part 2 (Jul. 1997)	
Part 3 (Oct. 1997)	. pp. 177-264
Part 4 (Jan. 1998)	. рр. 265–352

STRUCTURED INFORMATION PROGRAMME

Chapter	Unit	Title	Issue	(Journal)
2	4	Service Surround and Service Management	26	Oct. 97
4	7	Business Strategy and Planning	24	Apr. 97
4	8	Quality of Service: Customer Aspects	25	Jul. 97
4	9	Quality of Service: Service Provider Aspects	26	Oct. 97
9	4	The Integrated Services Digital Network (Rev.)	25	Jul. 97
9	9	All-Optical Networks	24	Apr. 97
13	5	Networks-End-to-End Performance	27	Jan. 98
16	6	Organisational Learning	24	Apr. 97
16	7	Contract Law—Telecommunications Contracts	27	Jan. 98